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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: 05189307

(43)Date of publication of application: 30.07.1993

(51)Int.CI.

G06F 12/08

(21)Application number: 04005720

(71)Applicant:

FUJITSU LTD

(22)Date of filing: 16.01.1992

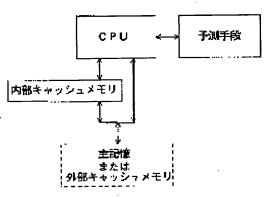
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SUGA ATSUHIRO

(54) COMPUTER SYSTEM

(57) Abstract:

PURPOSE: To improve the performance of a CPU and to improve an average access time by either using a cache memory or not depending on a program. CONSTITUTION: A computer system in which an arbitrary program is executed by transferring a command, data, and arithmetic result or the like between a CPU and an inside cache memory, is equipped with a predicting means which predicts a cache miss ratio at the time of executing the program. When the cache miss ratio exceeding a prescribed value is predicted, the command, data, and arithmetic result or the like are directly transferred between the CPU and a main storage device or an outside cache memory positioned at the higher rank than the main storage device without allowing the data to pass through the inside cache memory.



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